

PROGRAM

ASSUME CS:CODE,DS:DATA,ES:EXTRA

DATA SEGMENT

BLOCK1 DB "MALAYALAM\$"

MSG1 DB "PALINDROME\$"

MSG2 DB "NOT PALINDROME\$"

DATA ENDS

PRINT MACRO MSG

MOV AH,09H

LEA DX,MSG

INT 21H

ENDM

EXTRA SEGMENT

BLOCK2 DB 9 DUP (?)

EXTRA ENDS

CODE SEGMENT

START:

MOV AX,DATA

MOV DS,AX

MOV AX,EXTRA

MOV ES,AX

LEA SI,BLOCK1

LEA DI,BLOCK2+8

MOV CX,0009H

BACK: CLD

LODSB

STD

STOSB

LOOP BACK

LEA SI,BLOCK1

LEA DI,BLOCK2

MOV CX,0009H

CLD

REPZ CMPSB

JNZ SKIP

PRINT MSG1

MOV AH,4CH

INT 21H

SKIP: PRINT MSG2

MOV AH,4CH

INT 21H

CODE ENDS

END START

OUTPUT

C:\>DEBUG PAL.EXE

-G

PALINDROME

Program terminated normally

-Q